



DX4 Data Sheet

Overview

DX4 is the latest addition to the DX range of web enabled remote communications terminals (RCTs) delivering a high level of quality and performance as expected from every Dexdyne system.

This unit has been specifically engineered for applications where continuous monitoring and local data logging is essential. Furthermore, it has the capability to support LoRaWAN Gateway function as an option.

DX4 is supported by the easy to use cloud based Enterprise Dashboard interface. You can visualise and control remote processes from a single login from any web enabled device; iPad, iPhone or Android.

Live data acquisition, SMS alerts, reports, graphing and data downloads in CVS or XLS format are standard features. Reports can be delivered automatically as emails helping to maximise efficiency and the day to day management of any remote operational site.

How does it work?

The **DX4** unit connects seamlessly to any existing equipment. There is no need to change any of your current infrastructure. It can connect to your plant signals directly via Modbus serial links over an RS485 or a Modbus TCP/IP connection. Other protocols can also be supported to enable the **DX4** to deliver critical business information about your remote processes. ADSL landline or built in 4G GSM modem connectivity comes as standard; delivering acquired Data at a user configurable frequency to the Cloud based dashboard over a secure link. The unit can also be supplied with the enhanced software to support the LoRaWAN Gateway function connected via a USB port. This makes **DX4** an ideal Edge/Gateway device for supporting distributed I/O and the traditional devices such as PLC's and power meters etc.

Applications

DX4 RCTs are suitable for monitoring applications such as:

- Smart Agriculture
- Smart HVAC Controller
- Smart Parking Monitor
- Environmental monitoring
- Standby Gensets
- Energy sub-metering

Technical Specification

External Communication	100 Ethernet Port for Internet Connection Wireless 4G GSM Connectivity GPS (optional) LoRaWAN Gateway-Optional
Plant Communication I/O	Isolated RS485 Port with 1000V optical isolation for rugged plant communication.
Plant Communication Protocols	Modbus/TCP Modbus RTU/RS485 LoRaWAN Gateway-Optional**
Alarm Reporting	SMS Messaging
Security	2048-bit SSL Multi-user, multi-level password-protected access
Data Logging	Scalable logging of data from connected equipment
Software Update	Remote Software update capability
Hardware Features	Low-power No moving parts
Physical Features	Main Dimensions: 160 x 90 x 54 mm Weight: 300 grams Operational Temperature Range: 0-50 °C maximum Humidity: 0 - 85% Non condensing Power Supply-10-30V DC Power consumption: 8 W typical under normal operation 12W typical when modem is transmitting